

Rpt. C.11 (Comp.).
CHAMA 35867 (SIMILAR)
CLAUSINA 35806
CLEA 35625
CARELIA 35604
CERONIA 35961 sister
Glaucilla 35965
CISTULA 35994

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index. No. 35903.
(For London Office only).
FEB -3 1939
N° 27801

Ship's Name M.T. CORILLA.	Official Number /	Nationality and Port of Registry Dutch S. Gravenhage	Gross Tonnage 8096.25	Date of Build 1959/1959	Port of Survey Rotterdam
Moulded Dimensions: Length 140.511 M² Breadth 17.983 M² Depth 10.363 M²					Date of Survey Building
Moulded displacement at moulded draught = 85 per cent. of moulded depth 17620 M³ tons					Surveyor's Signature J. Heuvelman
Coefficient of fineness for use with Tables .792					Particulars of Classification + 100 A1 Carrying petroleum in bulk (Contaminated)

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... 10363 ✓	(a) Where D is greater than Table depth (D - Table depth) R = 8.33(10.386 - 9.368) 30 = + 254 mm ✓	Moulded Breadth (B) 17983 mm ✓
Stringer plate ... 23 ✓	(b) Where D is less than Table depth (if allowed) (Table depth - D) R = 1.018 ✓	Standard Round of Beam = $\frac{B \times 42}{50} =$ 360 mm ✓
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures ✓	Ship's Round of Beam = 360 mm ✓
Depth for Freeboard (D) = 10386 ✓		Difference NIL ✓
		Restricted to
		Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$ NIL ✓

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed EQUIVALENT. 29.373 ✓	29.373	29.373	2286	2286	29.373	Standard Height of Superstructure 2290 mm ✓
„ overhang ... none	none	none	none	none	none	„ „ R.Q.D. none
R.Q.D. enclosed						Deduction for complete superstructure 1067 mm ✓
„ overhang						Percentage covered $\frac{S}{L} =$ 42.27 ✓
Bridge enclosed EQUIVALENT. 14.350 ✓	14.350	14.350	2286	2286	14.325	„ „ $\frac{S_1}{L} =$ 42.09 ✓
„ overhang aft ... 10.50 ✓	10.50	10.50	2286	2286	10.50	„ „ $\frac{E}{L} =$ 42.05 ✓
„ overhang forward						Percentage from Table, Line A TANKER 33.05 ✓
F'cle enclosed ... 14.632 ✓	14.632	14.632	2286	2286	14.606	(corrected for absence of forecastle (if required))
„ overhang						Percentage from Table, Line B.
Trunk aft						(corrected for absence of forecastle (if required))
„ forward						Interpolation for bridge less than 2L (if required)
Tonnage opening aft						Deduction = 1067 x .3305 = - 353 mm ✓
„ „ forward						
Total ... 59.405 ✓	59.142				59.090	

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product	
A.P. ...	1425	1	1425	1423	1423	1	1423			Mean actual sheer aft = Deficient ✓
1/4 L from A.P. ...	633	4	2532	632	632	4	2528			Mean actual sheer forward = Deficient ✓
1/2 L „ ...	158	2	316	156	156	2	312			Mean standard sheer forward
Amidships ...		4				4				Length of enclosed superstructure forward of amidships = 1067
3/4 L from F.P. ...	316	2	632	311	311	2	622			„ „ aft of „ = 1067
1/4 L „ ...	1266	4	5064	1266	1266	4	5064			
F.P. ...	2849	1	2849	2846	2846	1	2846			
Total ...			12818				12795			

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{23}{18} \left(.75 - \frac{2113}{2113} \right) = + 1 \text{ mm}$ ✓

If limited on account of midship superstructure. **5387**

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 10.386 Ft. Summer freeboard = 2.040 Moulded draught (d) = 8.346 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48}$ inches = 174 mm = 17 cms Addition for Winter North Atlantic Freeboard (if required) = $\frac{174}{115} = 289 \text{ mm} = 29 \text{ cms} $	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 16694 \text{ m}^3$ Tons per inch immersion at summer load water line $T = 22.23$ Deduction = $\frac{\Delta}{40 T}$ inches = 188 mm 19 cms. ✓	TABULAR FREEBOARD corrected for Fresh Deck (if required) Correction for coefficient $\frac{792 + .68}{1.36} = \frac{1.472}{1.36}$ <table border="1"> <tr> <th></th> <th>+</th> <th>-</th> </tr> <tr> <td>Depth Correction</td> <td>254</td> <td></td> </tr> <tr> <td>Deduction for superstructures</td> <td></td> <td>353</td> </tr> <tr> <td>Sheer correction</td> <td>1</td> <td></td> </tr> <tr> <td>Round of Beam correction</td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td></td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td></td> <td></td> </tr> <tr> <td></td> <td>255</td> <td>353</td> </tr> <tr> <td>Summer Freeboard =</td> <td colspan="2">2044 ✓</td> </tr> </table>		+	-	Depth Correction	254		Deduction for superstructures		353	Sheer correction	1		Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.				255	353	Summer Freeboard =	2044 ✓	
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:

Tropical Fresh Water Line above Centre of Disc ... 36 cms ✓	Tropical Fresh Water Freeboard ... 168 ✓
Fresh Water Line „ „ ... 19 „ ✓	Fresh Water „ „ ... 185 „ ✓
Tropical Line „ „ ... 17 „ ✓	Tropical „ „ ... 187 „ ✓
Winter Line below „ „ ... 17 „ ✓	Winter „ „ ... 221 „ ✓
Winter North Atlantic Line „ „ ... 29 „ ✓	Winter North Atlantic „ „ ... 233 „ ✓

Corilla.

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

$$\begin{array}{rcl} \text{Loop } 2/3 \times 1100 & = & .733 \\ & & 28.640 \\ & \checkmark & 29.373 \text{ Equivalent} \end{array}$$

$$\begin{array}{rcl} \text{Bridge } 2/3 \times 1215 & = & .810 \\ & & 13.540 \\ & \checkmark & 14.350 \text{ Equivalent} \end{array}$$

Trade of ship

Ocean Trade.

Names of sister ships

M.V. "CHAMA" with some alterations in the superstructure

Builder's name and yard number

Wilton-Fryer Co. Inc. No. 664

Owners

Petroleum Maatschappij La Corona

Fee

220.-



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